

CLAIMS

1. A communication apparatus having
a first housing member,
5 a second housing member pivotally coupled to said first housing member,
a controller operable in a plurality of operation states, and
a detector associated with said first and second
10 housing members, and connected to said controller,
said detector being adapted to detect an angle position related to said first and second housing members and supply an angle position detection signal to said controller, and
15 said controller being adapted to enter a first operating state when said angle position detection signal represents an angle position within a first interval, a second operating state when said angle position detection signal represents an angle position within a second
20 interval, and a third operating state when said angle position detection signal represents an angle position within a third interval.
2. The communication apparatus of claim 1, wherein the detector comprises a means provided with one or more
25 cams and one or more electromechanical switches, said cams being adapted to actuate said one or more electromechanical switches to generate said angle position detection signal directly representing said angle position interval.
- 30 3. The communication apparatus according to any of claim 1 or 2, wherein
said controller is adapted to accept an incoming call upon a transition from said second state to said third state.
- 35 4. The communication apparatus of claim 3, wherein
said controller is adapted to accept an incoming call upon said transition from said second state to said third

state after a transition from said first state to said second state.

5 5. The communication apparatus according to any of the preceding claims, wherein said first state is a state in which said first and second housing members are essentially folded up.

6. The communication apparatus according to any of the preceding claims, wherein said detector comprises a hall sensor.

10 7. The communication apparatus according to any of claims 1 to 5, wherein said detector comprises an electromechanical switch.

8. The communication apparatus according any of claim 1-7, wherein
15 said controller is adapted to reject an incoming call upon a transition from said second state to said first state.

9. A method for operating a communication apparatus having a first housing member and a second housing member
20 pivotally coupled to said first housing member, said method comprising

detecting an angle position related to said first and second housing members; and

25 entering a first, second and third state of said communication apparatus related to a first, second, and third interval of said angle position respectively.

10. The method of claim 9, wherein said detection comprises

30 actuating a electromechanical switch by a cam; and generating an angle position signal by said electromechanical switch.

11. The method according to any of claims 9 or 10, comprising accepting an incoming call upon transition from said second state to said third state.

35 12. The method according to any of claim 9-11, comprising accepting an incoming call upon said transition from said second state to said third state

after a transition from said first state to said second state.

13. The method according to any of claims 9-12, comprising activating a display upon transition from said first state to said second state.

14. The method according to any of claims 9-13, comprising scanning of a touch screen when said communication apparatus is in said third state.

15. The method according to any of claims 9-14, comprising activating presentation of information of a new message on a display upon transition from said first state to said second state.

16. The method of claim 15, comprising activating presentation of the message upon transition from said second state to said third state.

17. The method according to any of claims 9-15, comprising activating presentation of information of an incoming call on a display upon transition from said first state to said second state.

18. The method according to any of claims 9-17, comprising deactivating a display upon transition from said second state to said first state.

19. The method according to any of claim 9-18, comprising rejecting an incoming call upon a transition from said second state to said first state.